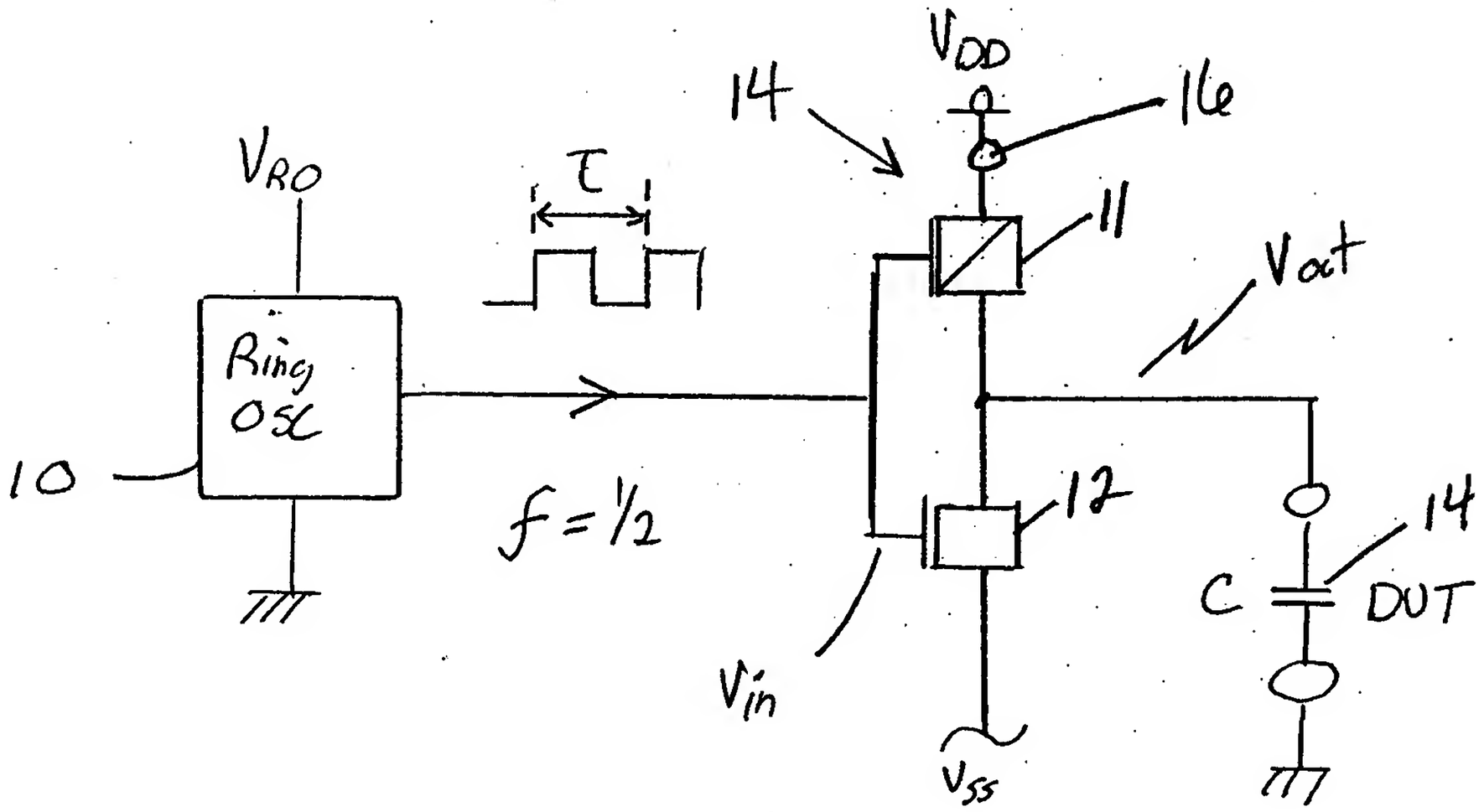

Figure 1

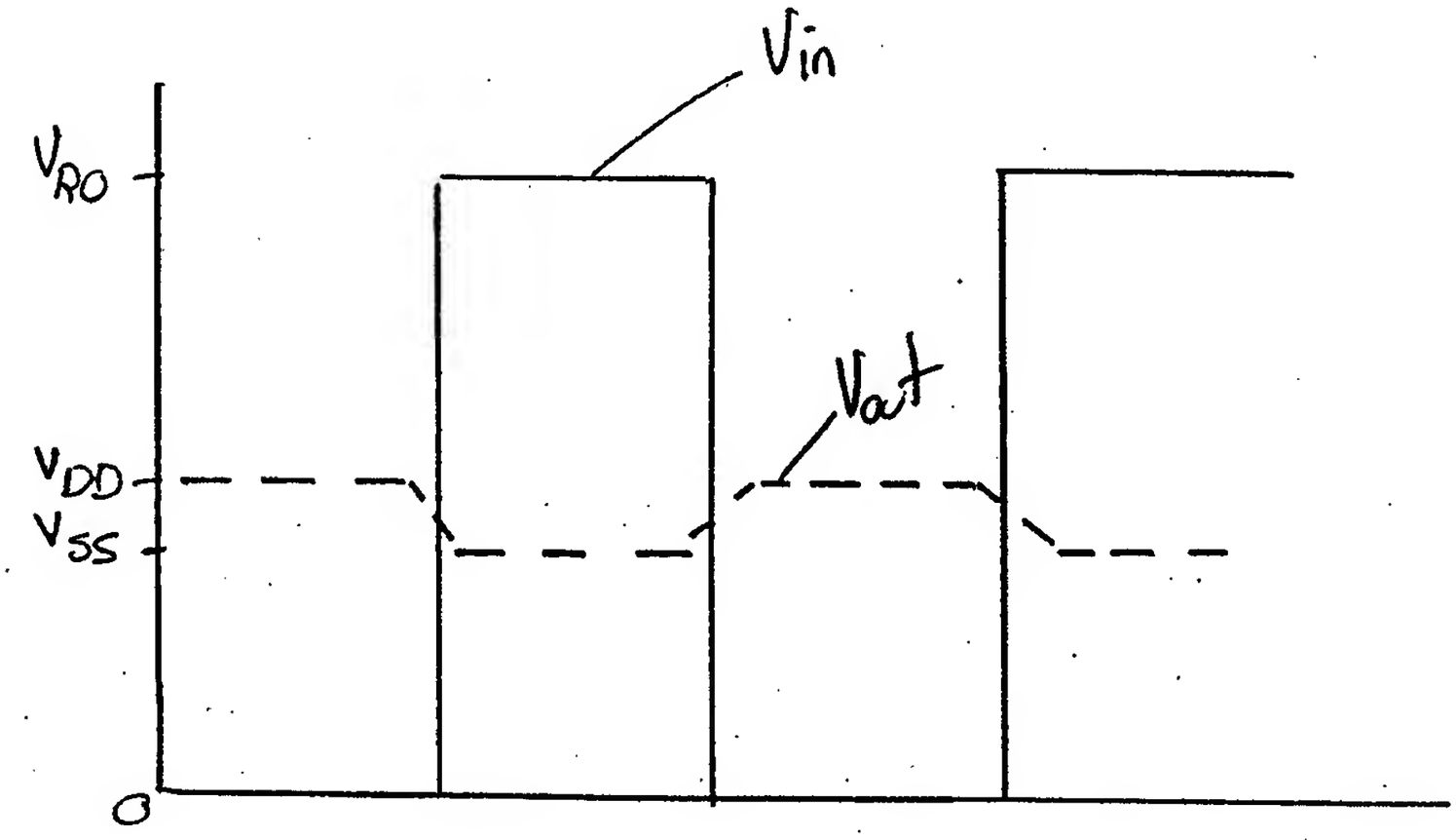

Figure 2

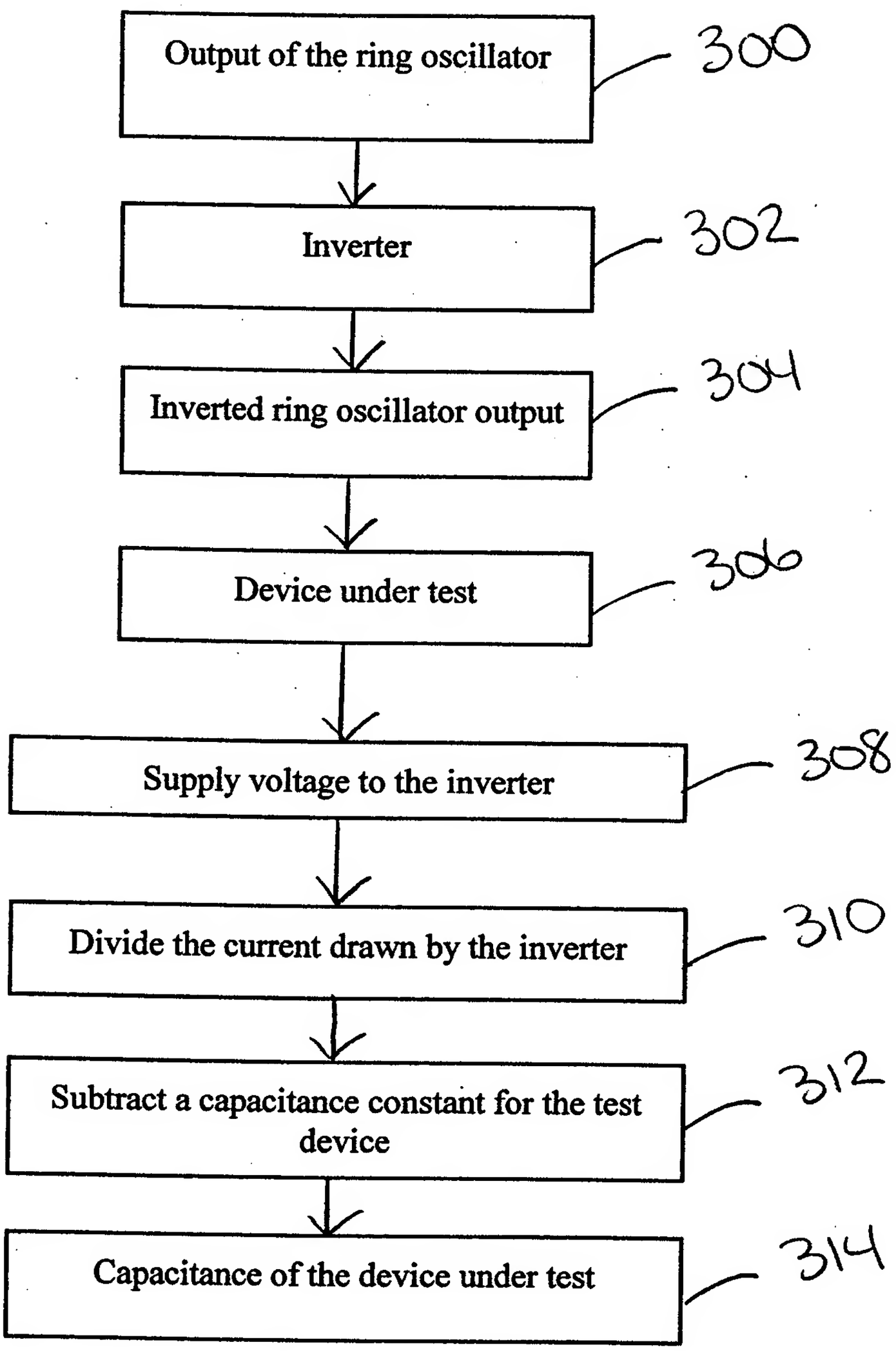
Output of the ring oscillator
300
Inverter
302
Inverted ring oscillator output
304
Device under test
306
Supply voltage to the inverter
308
Divide the current drawn by the inverter
310
Subtract a capacitance constant for the test device
312
Capacitance of the device under test
314

Figure 3

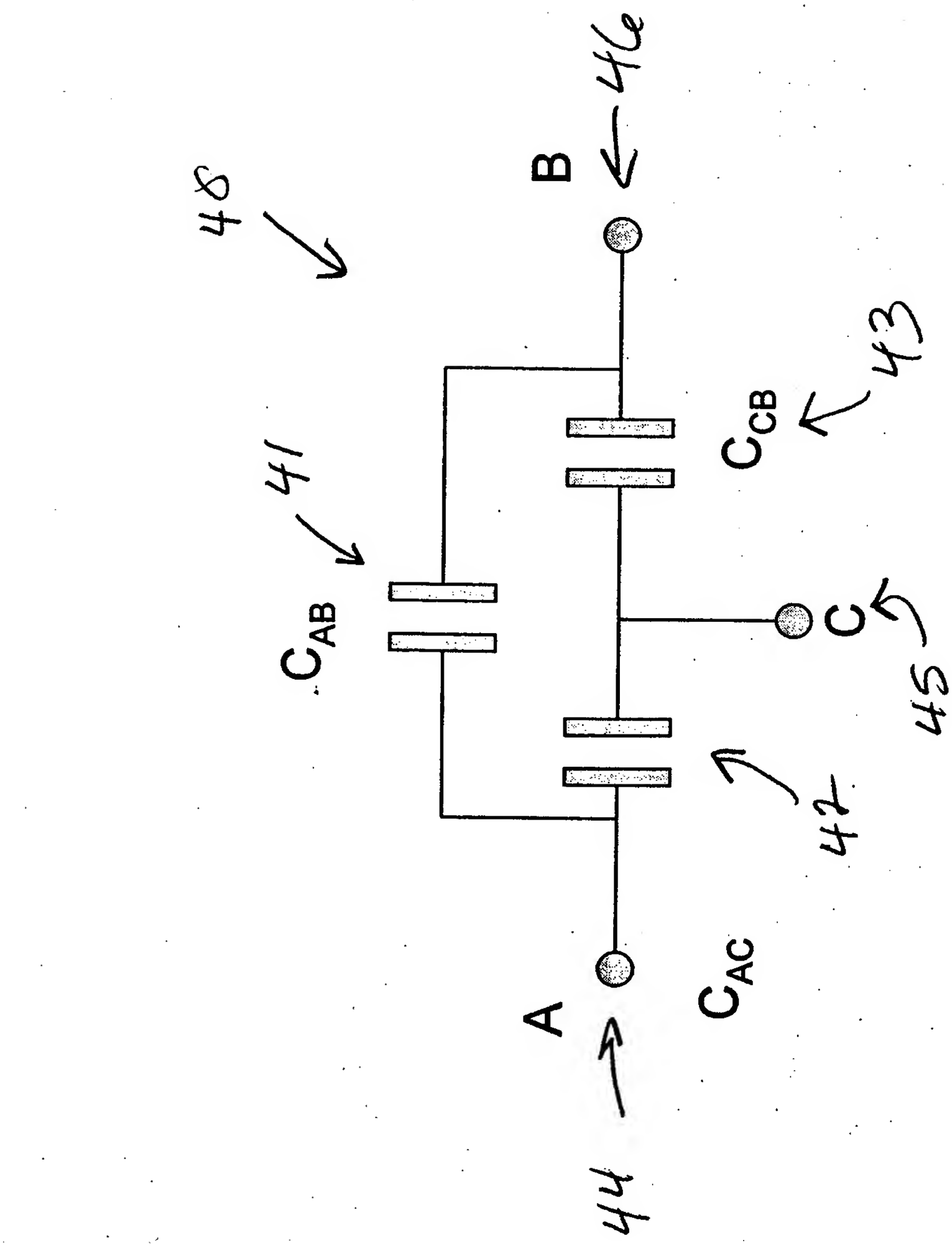

Figure 4

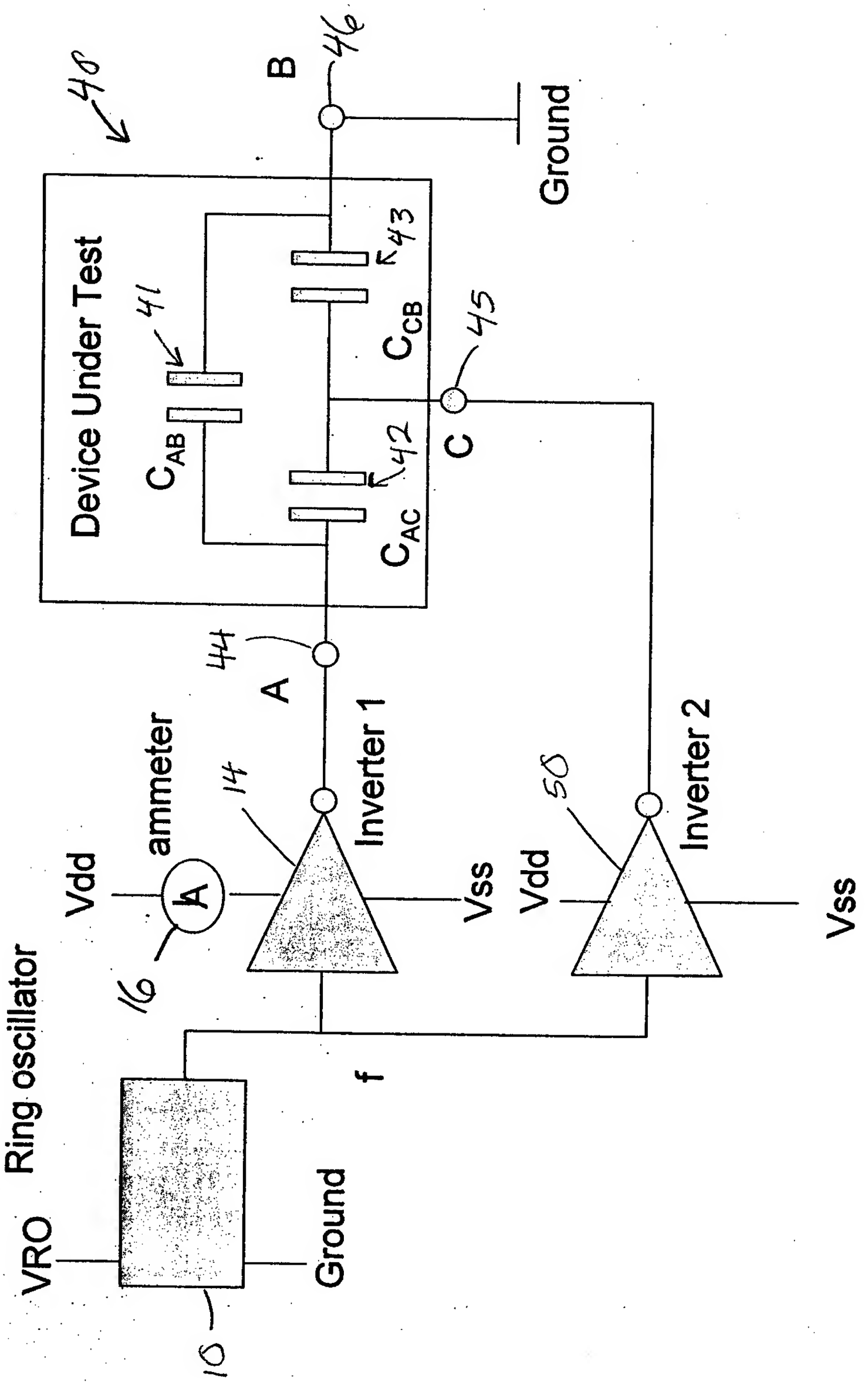
Ring oscillator
VRO
Ground
f
10
Device Under Test
C_{AB}
C_{AC}
C_{CB}
41
42
43
A
B
C
44
45
46
ammeter
16
Vdd
Vss
Inverter 1
14
Inverter 2
50

Figure 5